

Sequence Listing  
SEQUENCE LISTING

<110> The University of British Columbia

<120> Insect Expression Vectors

<130> 80021-44

<140> US 09/048,911

<141> 1998-03-26

<150> US 60/049,946

<151> 1997-03-27

<160> 50

<170> PatentIn Ver. 2.0

<210> 1

<211> 564

<212> DNA

<213> *Orgyia pseudotsugata*

<400> 1

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ttttcatggt tgccaacaag cacctttata ctcggtggcc tccccaccac caactttttt 120

gcactgcaaa aaaacacgct ttgcacgcg ggcccataca tagtacaac tctacgtttc 180

# Sequence Listing

gtagactatt ttacataaat agtctacacc gttgtatacg ctccaaatac actaccacac 240

attgaacott tttgcagtgc aaaaaagtac gtgtcggcag tcacgtaggc cggccttatac 300

gggtcgcgctc ctgtcacgta cgaatcacat tatcggaccg gacgagtgtt gtcttatcgt 360

gacaggacgc cagcttcctg tgttgctaac cgcagccgga cgcaactcct tatcggaaca 420

ggacgcgcct ccatatcagc cgcgcgttat ctcatgcgcg tgaccggaca cgaggcgccc 480

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catctgttac agcgacacaa catg 564

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<210> 3

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Sequence Listing

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR amplifier

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<210> 5

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR amplifier

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## Sequence Listing

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR amplifier

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR amplifier

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atcgatcgat ccgcggccgc atatgaccgt

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<210> 8

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

## Sequence Listing

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<223> Description of Artificial Sequence: Primer

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<223> Description of Artificial Sequence: Primer

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Sequence Listing

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<223> Description of Artificial Sequence: Bombyxin  
secretion signal oligonucleotide fragment

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<223> Description of Artificial Sequence: Bombyxin  
secretion signal oligonucleotide fragment

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# Sequence Listing

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<223> Description of Artificial Sequence: Enhancer  
sequence OpE

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<210> 14

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<223> Description of Artificial Sequence: Promoter  
sequence of the OpMNPV ie2 gene

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agtacaaact ctacgtttcg tagactatit tacataaata gtctacaccg ttgtatacgc 120

tccaaatata ctaccacaca ttgaaccttt ttgcagtgc aaaaagtacg tgtcggcagt 180

# Sequence Listing

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gcaactcctt atcggaacag gacgcgcctc catatcagcc gcgcgttata tcatgcgcgt 360  
gaccggacac gaggcgcccg tcccgcttat cgcgcctata aatacagccc gcaacgatct 420  
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tatacagtac aatctctaca aatcgtag 88

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## Sequence Listing

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<223> Description of Artificial Sequence: Fragment of  
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acttttttgc attacaaaaa agttcatttt tg 92

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<212> DNA

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<223> Description of Artificial Sequence: Fragment of  
the promoter sequence of the AcMNPV ien gene

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## Sequence Listing

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<223> Description of Artificial Sequence: Fragment of  
the promoter sequence of the AcMNPV ien gene

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ccccaccact attgtct

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<223> Description of Artificial Sequence: Fragment of  
the promoter sequence of the AcMNPV ien gene

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<223> Description of Artificial Sequence: Fragment of

Sequence Listing  
the promoter sequence of the AcMNPV ien gene

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<212> DNA

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<223> Description of Artificial Sequence: Fragment of  
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<223> Description of Artificial Sequence: IE2B promoter  
element

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: IE2B promoter  
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<400> 23

cttatcgtga caggacgc

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<223> Description of Artificial Sequence: IE2B promoter  
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<400> 24

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<210> 25

# Sequence Listing

<211> 18

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<223> Description of Artificial Sequence: IE2B promoter  
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# Sequence Listing

gca gcg gcc ccg gcg ccc ggg gcg ccc ctg ctc ccg ctg ctg ctg ccc 96

Ala Ala Ala Pro Ala Pro Gly Ala Pro Leu Leu Pro Leu Leu Leu Pro

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gcc ctc gcc gcc cgc ctg ctc ccg ccc gcc ctc tga

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Ala Leu Ala Ala Arg Leu Leu Pro Pro Ala Leu

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Ala Ala Ala Pro Ala Pro Gly Ala Pro Leu Leu Pro Leu Leu Leu Pro

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Ala Leu Ala Ala Arg Leu Leu Pro Pro Ala Leu

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construct made of the melanotransferrin (p97) gene

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gac tac gtg gcg gcg ctg gaa ggg atg tcg tct cag cag tgc tcg ggc 48

Asp Tyr Val Ala Ala Leu Glu Gly Met Ser Ser Gln Gln Cys Ser Gly

1 5 10 15

gca gcg gcc ccg gcg ccc ggg gcg ccc ctg atc tga 84

Ala Ala Ala Pro Ala Pro Gly Ala Pro Leu Ile

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# Sequence Listing

<210> 30

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1 5 10 15

gca gcg gcc ccg gcg ccc atc tga 72

Ala Ala Ala Pro Ala Pro Ile

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# Sequence Listing

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<213> Artificial Sequence

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Ala Ala Ala Pro Ala Pro Ile  
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construct made of the melanotransferrin (p97) gene

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# Sequence Listing

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Ala Ala Ala Pro Ser Asp

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Ala Ala Ala Pro Ser Asp

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construct made of the melanotransferrin (p97) gene

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<212> PRT

<213> Artificial Sequence

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Asp Tyr Val Ala Ala Ile

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Deletion

construct made of the melanotransferrin (p97) gene

# Sequence Listing

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Asp Tyr Val Asp Leu Thr Lys Ser

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<213> Artificial Sequence

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Asp Tyr Val Asp Leu Thr Lys Ser

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<210> 40

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Chicken p97

homolog

# Sequence Listing

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Thr Phe Val Pro Phe Ile Ile Leu Gly Gln Leu Gln Gly

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<210> 41

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Chicken p97  
homolog

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<210> 42

<211> 56

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Rescued

Sequence Listing

P-element end

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<210> 43

<211> 56

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Rescued

P-element end

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<210> 44

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P-element end

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## Sequence Listing

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<212> DNA

<213> Artificial Sequence

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<210> 46

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<212> DNA

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<210> 47



Sequence Listing

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<212> DNA

<213> Artificial Sequence

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P-element end

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<210> 48

<211> 56

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Rescued

P-element end

<400> 48

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<210> 49

<211> 15

<212> DNA

<213> Artificial Sequence

Sequence Listing

<220>

<223> Description of Artificial Sequence: Rescued  
P-element end

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<210> 50

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Rescued  
P-element end

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25